IAP10 Rec'd PCT/PTO

Atty. Dkt. No. 65084.000012

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

SOYKA, Stephan et al..

Art Unit:

1761

Application Number:

10/534,392

Examiner: Unassigned

Filed:

May 9, 2005

Confirmation No.: 21967

For:

PROCESS FOR REDUCING THE ACRYLAMIDE

CONTENT OF HEAT-TREATED FOODS

INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, and in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants are submitting herewith copies of the references listed on the attached Form PTO/SB/08A (modified) for consideration and to be made of record herein by the U.S. Patent and Trademark Office in the above-captioned application.

Consideration of the foregoing plus the prompt return of a copy of the enclosed Form PTO/SB/08A with the Examiner's initials in the left column in accordance with MPEP § 609 is respectfully requested.

Applicants respectfully point out that the submission of the listed references in this Information Disclosure Statement is not an admission that they are prior art or that they are material to patentability of any claims of the application. Also, the submission of this Information Disclosure Statement is not an indication that a search has been made by Applicants.

For the convenience of the Examiner in considering the cited references, a copy of each of the cited references is enclosed with this communication. In considering the cited references, it may be noted by the Examiner that certain of the references may contain markings, underlinings, and/or other notations. These markings, underlinings, and/or other notations are

not to be construed as drawing the Examiner's attention either to selected parts or away from other parts of the cited references. Any such markings were either present on the copies of the cited references obtained by the associated individuals, or were made thereon during the study of the references by the associated individuals.

In accordance with 37 C.F.R. § 1.97(b), this Information Disclosure Statement is believed to be submitted prior to issuance of a first Office Action. Therefore, it is respectfully submitted that no fee is required for consideration of this information. However, in the event any fee is deemed necessary, the Commissioner is authorized to charge the undersigned's Deposit Account No. 50-0206.

Respectfully submitted,

HUNTON & WILLIAMS LLP

Dated: 11 1705

*

By:

Robert M. Schulman Registration No. 31,196

Christopher J. Nichols, Ph.D. Registration No. 55,984

Hunton & Williams LLP Intellectual Property Department 1900 K Street, N.W. Suite 1200 Washington, DC 20006 (202) 955-1500 (telephone) (202) 778-2201 (facsimile)

RMS/CJN:cdh

| Sub | Substitute for form 1449A/PTO | | | | | Appl | licatio | ication Number 10/534,392 | | | | |
|------------------------------------|---|-------------|-----------------------------------|---------------------------------|--|----------------------|--|---|-------------------------------------|--------------------------------------|---------------|--------------|
| | | | | | | Filing | g Dat | Date May 9 | | ay 9, 2005 | | |
| | | | | N DISCLOS | | First Named Inventor | | SOYKA, Stephan et al. | | | | |
| | STA | | | BY APPLIC neets as necessary | | Art l | Art Unit 1761 | | | | | |
| | | (use a | as many sn | ieets as riecessary | <i>'</i> | | Examiner Name To Be Assigned | | | ssigned | | \neg |
| C L | | | -544 | | | - | 45004.000010 | | | | | |
| She | | 110 | of 11 | | | Auo | illey | ney Docket Number 65084.000012 | | | | \dashv |
| | 1 | | 1 | | <u>U.S. PAT</u> | ENT | DO | CUMENTS | | Pages, Column | s Lines | \dashv |
| *Examiner Cite . Initials No. | | | JMENT NUMBER Kind Code (if known) | | cation Date | | Name of Pater Applicant of Cited | | Where Relevant P Relevant Figure | assages | or | |
| | | 1. | US- | | | | | | | | | |
| | | | <u> </u> | FO | REIGN P | ATE | NT E | OCUMENTS | | | | |
| | | | | REIGN PATENT | | | | | | | | |
| | | | | DOCUMENT | | | | | Pages. | Columns, Lines, | TRANSL/ ON | ATI |
| *Examiner Initial | | Cite No. | | Code Number-Kind ode (if known) | Publication [MM-DD-YY | - 1 | Name of Patentee or Applicant of Cited Document | | Where F | Relevant Passages ant Figures Appear | YES | NO |
| /F | 3P/ | 2. | wo | 95/15972 | | | | | | | | |
| | | 3. | wo | 97/04112 | 02/06/199 | 7 | Dani | isco A/S | | | | |
| | | 4. | wo | -97/04113 | 02/06/199 | 7 | Dani | isco A/S | | | | |
| | | 5. | wo . | 97/11188 | 03/27/199 | 7 | Plan GME | ttec Biotechnologi 3H | Э | | | |
| | | 6. | wo | <i>y</i> 97/40707 | 11/06/199 |)7 | | Proctor & Gamble pany | | | | |
| | 80000000000000000000000000000000000000 | 7. | wo | 98/27212 | 06/25/199 | 8 | Plan GME | ittec Biotechnologi 3H | е | | | |
| | 000000 | 8. | wo | c 98/37213 | 08/27/199 | 98 | Dan | isco A/S | | | | $ \Box$ |
| | | 9. | wo | 98/37214 - | 08/27/199 | 98 | Dan | isco A/S | | | | $oxed{\Box}$ |
| | 000000000000000000000 | 10. | WO | 99/53050 | 10/21/199 | 99 | Scie | nmonwealth entific and Industria earch Organisation | | | | |
| | 20000000000000000000000000000000000000 | 11. | wo | _ 00/28052 | 05/18/200 | 00 | Plar GMI | nttec Biotechnologi BH | е | | | |
| | 000000000000000000000000000000000000000 | 12. | wo | - 00/77229 . | 12/21/200 | 00 | Ave GMI | ntis Cropscience BH | | | | |
| • | V | 13. | EP | _ 0 321 201 | 06/21/198 | 39 | Scie | nmonwealth entific and Industria anisation | al | | | |
| EXAMINER SIGNATURE DATE CONSIDERED | | | | | |) | | | | | | |
| *E | XAN ation | IINER: | Initial if re | eference considered | d, whether of the control of the con | or not de cop | citati y of tl | on is in conforman | ce with MP | EP 609. Draw li | ne thro | ugh |

| Substitu | te for | form 1449A/PTO | Àpplication Number | 10/534,392 | | | | | |
|---|-----------------|---|--|--|------------|----------|--|--|--|
| INIP | ·^- | DMATION DISCLOSUDE | Filing Date | May 9, 2005 | | | | | |
| | | RMATION DISCLOSURE EMENT BY APPLICANT | First Named Inventor | SOYKA, Stephan et al. | | | | | |
| 31 | | e as many sheets as necessary) | Art Unit | 1761 | | | | | |
| | | | Examiner Name | To Be Assigned | | | | | |
| Sheet | | 2 of 11 | Attorney Docket Number | 65084.000012 | | | | | |
| | | OTHER DOCUMENTS - NON | -PATENT LITERATURE | DOCUMENTS | | | | | |
| | | | | | TRANSL | ATION | | | |
| *Examiner Initials | Cite No. | Include name of the author (in CAPITAL item (book, magazine, journal, serial number(s), publish | LETTERS), title of the article (when , symposium, catalog, etc.), date, pa er, city and/or country where publish | ige(s), volume-issue | YES YES | NO NO | | | |
| /BP/ | 14. | Aarts et al. (1993) Nature 363: 715- | 717 | | | | | | |
| 30000000 | 15. | Altman et al. (1992) Theoretical and | Altman et al. (1992) Theoretical and Applied Genetics 84: 371-383 | | | | | | |
| 80/000000000000000000000000000000000000 | 16. | Annual Meeting of the Am. Soc. of Plant Biologists in Madison (1998) WI USA "Molecular and transgenic studies of asparagine synthetase genes in <i>Arabidopsis thaliana</i> ." Abstract No. 535 | | | | | | | |
| 000000000000000000000000000000000000000 | 17. | Anonymous Internet Article (2002) | Anonymous Internet Article (2002) Access No. XP 002269721 | | | | | | |
| 700000000000000000000000000000000000000 | 18. | Anonymous Internet Article (2002) | Access No. XP 00226972 | 2 | | | | | |
| 700000 | 19 | Atipiroz-Leehan and Feldmann (19 | 97) Trends in genetics 13 (| (4): 152-156 | | | | | |
| 880000000000000000000000000000000000000 | 20 | Baba et al. (1991) "Sequence Cons Enzymes in Maize Branching En Communications, Vol. 181(1): 98-9 | zyme-I," Biochemical and | | | | | | |
| 700000000000000000000000000000000000000 | 21 | Bachem et al., (1996) The Plant Jou | ırnal 9(5): 745-753 | | | | | | |
| 300000000000000000000000000000000000000 | 22 | Beetham et al., (1999) PNAS 96: 8 | 774-8778 | | | | | | |
| V | 23 | Belzile and Yoder (1992) The Plan | Belzile and Yoder (1992) The Plant Journal 2(2): 173-179 | | | | | | |
| EXAMINER SIGNATURE . DATE CONSIDERED | | | | | | | | | |
| *EXAI | MINE n if no | R: Initial if reference considered, whether out in conformance and not considered. Include | or not citation is in conforman le copy of this form with next c | nce with MPEP 609. Draw ommunication to applicant. | line thi | rough | | | |

| Substit | ute for | form 1449A/PTO | Application Number 10/534,392 | | | | | |
|---|------------------------------------|---|---|---------------------------|---------|-------|--|--|
| 187 | -~- | MATION DICCI OCUDE | Filing Date | May 9, 2005 | | | | |
| | | RMATION DISCLOSURE EMENT BY APPLICANT | First Named Inventor | SOYKA, Stephan et al. | | | | |
| 3 | | se as many sheets as necessary) | Art Unit | 1761 | | | | |
| | • | | Examiner Name | To Be Assigned | | | | |
| Shee | | 3 of 11 | Attorney Docket Number | 65084.000012 | | | | |
| | | OTHER DOCUMENTS - NON | I-PATENT LITERATURI | E DOCUMENTS | | | | |
| | | | | | TRANSL | ATION | | |
| *Examiner | Cite | Include name of the author (in CAPITAL item (book, magazine, journal, serial | , symposium, catalog, etc.), date, pa | age(s), volume-issue | YES | NO | | |
| number(s), publisher, city and/or country where published | | | | ned | YES | NO | | |
| /BP/ | 24. | Blennow, et al. (2002) "Starch pho Trends in Plant Science, Vol. 7(10) | | line in starch research", | | | | |
| >>>>>> | 25. | Bolivar et al. (1977) Construction Gene 2: 95-113 | and Characterization of r | new cloning vehicles II. | | | | |
| 000000000000000000000000000000000000000 | 26 | Castiglioni et al. (1998) Genetics 14 | Castiglioni et al. (1998) Genetics 149: 2039-2056 | | | | | |
| 000000000000000000000000000000000000000 | 27 | Cho et al. (1999) Nature Genetics 23: 203-207 | | | | | | |
| 200000000000000000000000000000000000000 | 28 | Cole-Strauss et al. (1996) Science 2 | Cole-Strauss et al. (1996) Science 273: 1386-1389 | | | | | |
| 200000000000000000000000000000000000000 | 29 | Cornelissen and Vanderwiele (198 plastid psbA promoter. Nucleic Ac | | activity of the tobacco | | | | |
| *************************************** | 30 | de Borne et al. (1994) Mol. Gen. G | enet. 243: 613-621 | | | | | |
| 000,000,000,000 | 31 | Depicker et al. (1982) Journal of M | Iolecular and Applied Gen | etics 1: 561-573 | | | | |
| 200 | 32 | Drenkard et al. (2000) Plant Physic | ology 124: 1483-1492 | | | | | |
| | 33 | Enoki et al. (1999) The Plant Journ | nal 19(5): 605-613 | | | | | |
| V | 34 | FAO/WHO (25-27 June 2002) "Co food." pp. 1-39 | FAO/WHO (25-27 June 2002) "Consultation on Health implications of acrylamide in food." pp. 1-39 | | | | | |
| EXA | EXAMINER SIGNATURE DATE CONSIDERED | | | | | | | |
| *EX/ | MINE | R: Initial if reference considered, whether of in conformance and not considered. Include | or not citation is in conformal | nce with MPEP 609. Draw | line th | rough | | |

ŧ

| Substitut | e for | form 1449A/PTO | Application Number | 10/534,392 | | | | |
|---|------------------------------------|--|--|--|---------|-------|--|--|
| | ^- | MATION BIGGLOSLIBE | Filing Date | May 9, 2005 | 005 | | | |
| | | RMATION DISCLOSURE EMENT BY APPLICANT | First Named Inventor | SOYKA, Stephan et al. | | | | |
| 31/ | | e as many sheets as necessary) | Art Unit | 1761 | | | | |
| | • | • | Examiner Name | To Be Assigned | | | | |
| Sheet | T | 4 of 11 | Attorney Docket Number | 65084.000012 | | | | |
| | | OTHER DOCUMENTS - NON | -PATENT LITERATURE | DOCUMENTS | | | | |
| | | I STILL BOSSINENTS NO. | <u> </u> | | TRANSL | ATION | | |
| *Examiner | Cite | Include name of the author (in CAPITAL item (book, magazine, journal, serial | LETTERS), title of the article (when symposium, catalog, etc.), date, pa | appropriate), title of the ge(s), volume-issue | YES | NO | | |
| Initials | No. | number(s), publish | er, city and/or country where publish | ed | YES | NO | | |
| /BP/ | 35. | de Feyter et al. (1996) Mol. Gen. G | enet. 250: 329-338 | | | | | |
| хооооооо | 36. | Flavell et al. (1995) "Developmental regulation of co-suppression in <i>Petunia hybrida</i> ." Curr. Top. Microbiol. Immunol. 197: 43-56 | | | | | | |
| | 37. | Frey et al. (1989) Molecular and General Genetics 217: 172-177 | | | | | | |
| | 38. | Gielen et al. (1984) The EMBO J 3 | Gielen et al. (1984) The EMBO J 3(4): 835-846 | | | | | |
| 0000 | 39. | Greco et al. (2001) Plant Physiolog | y 125: 1175-1177 | | | | | |
| 858080808080800000000000000000000000000 | 40. | Greiner et al. (July 1999) Ectophomolog prevents cold-induced sw 708-11 | pic expression of a toba veetening of potato tubers. | cco invertase inhibitor Nat Biotechnol. 17(7): | | | | |
| 000000000000000000000000000000000000000 | 41 | Haase et al. (2003) Deutsche Leber | nsmittel-Rundschau 99(3): | 87-90 | | | | |
| 000 | 42 | Hanley et al. (2000) "Identificat sequencing of Mutator-tagged DN 23(4): 557-566 | ion of transposon-tagged IA fragments from Zea m | genes by the random ays." The Plant Journal | | | | |
| V | 43 | Hirochika (2001) Current Opinion | in Plant Biology 4: 118-12 | 2 | | | | |
| EXAM | EXAMINER SIGNATURE DATE CONSIDERED | | | | | | | |
| *EXAN | MINE | R: Initial if reference considered, whether out in conformance and not considered. Include | or not citation is in conformar de copy of this form with next c | nce with MPEP 609. Draw ommunication to applicant. | line th | rough | | |

| Substitut | e for | form 1449A/PTO | Application Number | 10/534,392 | | | | |
|--|------------------------------------|---|--|---|---------|-------|--|--|
| | ^ | MATION DIGGL OCUDE | Filing Date | May 9, 2005 | | | | |
| | | RMATION DISCLOSURE EMENT BY APPLICANT | First Named Inventor | SOYKA, Stephan et al. | | _ | | |
| 31/ | | e as many sheets as necessary) | Art Unit | 1761 | | | | |
| | • | • | Examiner Name | To Be Assigned | | | | |
| Sheet | | 5 of 11 | Attorney Docket Number | 65084.000012 | | | | |
| | | OTHER DOCUMENTS - NON | -PATENT LITERATURE | DOCUMENTS | | | | |
| | | OTTLE BOSSINEIT IS | , | | TRANSL | ATION | | |
| *Examiner | Cite | Include name of the author (in CAPITAL item (book, magazine, journal, serial | LETTERS), title of the article (when symposium, catalog, etc.), date, pa | appropriate), title of the | YES | NO | | |
| Initials | No. | number(s), publish | er, city and/or country where publish | ed | YES | NO | | |
| /BP/ | 44. | Hovenkamp-Hermelink et al. (1987 |) Theoretical and Applied | Genetics 75: 217-221 | | | | |
| VALUE OF THE TOTAL OT THE TOTAL OF THE TOTAL OF THE TOTAL OF THE TOTAL OF THE TOTAL OT THE TOTAL OF THE TOTAL OF THE TOTAL OF THE TOTAL OF THE TOTAL | 45. | Itoh et al. (1984) "Genetic and molecular characterization of the <i>Pseudomonas</i> plasmid pVS1." Plasmid 11: 206-220 | | | | | | |
| 000000000000000000000000000000000000000 | 46. | Jarvis et al. (1994) Plant Molecular Biology 24: 685-687 | | | | | | |
| 888888888888888888888888888888888888888 | 47. | Jauhar and Siddiq (1999) Indian Jo | Jauhar and Siddiq (1999) Indian Journal of Genetics 59(1): 23-28 | | | | | |
| 200000000000000000000000000000000000000 | 48. | Jeon et al. (2001) "Gene tagging genomics." Plant Science 161: 211- | | t system for functional | | | | |
| 220000000000000000000000000000000000000 | 49. | Jorgensen (1990) "Altered gene between homologous genes." Trend | expression in plants du ds Biotechnol. 8: 340-344 | e to trans interactions | | | | |
| 000000000000000000000000000000000000000 | 50 | Khoshnoodi, et al. (1996) "The Solanum tuberosum," Eur. J. Bioch | multiple forms of starch- nem. 242: 148-155 | branching enzyme I in | | | | |
| 200000000000000000000000000000000000000 | 51 | Kim, et al. (1998) "Genomic Organ Branching Enzyme I Gene," Gene | nization and Promoter Acti 216: 233-243 | vity of the Maize Starch | | | | |
| 0,000,000,000,000 | 52 | Knapp et al. (1988) Molecular and | General Genetics 213: 285 | -290 | | | | |
| V | 53 | Konieczny and Ausubel (1993) The Plant Journal 4: 403-410 | | | | | | |
| EXAM | EXAMINER SIGNATURE DATE CONSIDERED | | | | | | | |
| *EXAN | AINE | R: Initial if reference considered, whether out in conformance and not considered. Include | or not citation is in conforman de copy of this form with next c | ce with MPEP 609. Draw ommunication to applicant. | line th | rough | | |

| Substitu | ite for | form 1449A/PTO | Application Number | 10/534,392 | | | | |
|--|---------|--|--|---|----------|-------|--|--|
| | | STATION DISCUSSIBE | Filing Date | May 9, 2005 | | | | |
| | | RMATION DISCLOSURE EMENT BY APPLICANT | First Named Inventor | SOYKA, Stephan et al. | | | | |
| 31 | | se as many sheets as necessary) | Art Unit | 1761 | 1761 | | | |
| | • | • | Examiner Name | To Be Assigned | | | | |
| Sheet | \neg | 6 of 11 | Attorney Docket Number | 65084.000012 | | | | |
| | | OTHER DOCUMENTS - NON | I-PATENT LITERATURE | DOCUMENTS | | | | |
| | T_ | Office Bootsment 13 | 71 / 1 1 1 1 1 1 1 1 1 | | TRANSL | ATION | | |
| *Examiner | Cite | Include name of the author (in CAPITAL item (book, magazine, journal, serial | LETTERS), title of the article (when symposium, catalog, etc.), date, pa | appropriate), title of the | YES | NO | | |
| Initials | No. | number(s), publish | er, city and/or country where published | ed | YES | NO | | |
| /BP/ | 54. | Koprek et al. (2000) The Plant Journ | Koprek et al. (2000) The Plant Journal 24(2): 253-263 | | | | | |
| 990000000 | 55. | Koßmann, et al. (1991) "Cloning and expression analysis of a potato cDNA that encodes branching enzyme: evidence of co-expression of starch biosynthetic genes," Mol. Gen. Genet 230:39-44 | | | | | | |
| 222000000000000000000000000000000000000 | 56 | Kren et al. (1997) Hepatology 25: 1462-1468 | | | | | | |
| 000000000000000000000000000000000000000 | 57 | Krysan et al. (1999) The Plant Cell | 11: 2283-2290 | | | | | |
| 165 AGG AGG AGG AGG AGG AGG AGG AGG AGG AG | 58 | Kumar and Hirochika (2001) Trend | ls in Plant Science 6 (3): 12 | 27-134 | | | | |
| 200000000000000000000000000000000000000 | 59 | Lam et al. (1994) "Metabolic Dependent Asparagine Synthetase 1347-1357 | Regulation of the Gene in Arabidopisis thaliand | Encoding Glutamine- a," Plant Physiol. 106: | | | | |
| 000000000000000000000000000000000000000 | 60 | Larsson, et al. (1998) "Molecular enzyme II from potato", Plant Mole | cloning and characterizat ecular Biology 37: 505-511 | ion of starch-branching | | | | |
| X,000000000000000000000000000000000000 | 61 | Leister and Dean (1993) The Plant | Journal 4(4): 745-750 | | | | | |
| V | 62 | Liu et al. (2000) Biochemical Socie | ety Transactions 28(6): 927 | 1-929 | | | | |
| EXAN | /INE | R SIGNATURE | DATE CONSIDERED |) | | | | |
| *EXA | MINE | R: Initial if reference considered, whether out in conformance and not considered. Include | or not citation is in conforman | ice with MPEP 609. Draw communication to applicant. | line the | rough | | |

| Substitu | te for | form 1449A/PTO | Application Number | 10/534,392 | | | | | | | |
|---|---|--|---|--|-----------------------|-------|--|--|--|--|--|
| 1215 | ·^- | MATION DISCLOSURE | Filing Date | May 9, 2005 | | | | | | | |
| | | RMATION DISCLOSURE EMENT BY APPLICANT | First Named Inventor | SOYKA, Stephan et al. | SOYKA, Stephan et al. | | | | | | |
| 31 | | se as many sheets as necessary) | Art Unit | 1761 | | | | | | | |
| | | | Examiner Name | To Be Assigned | | | | | | | |
| Sheet | | 7 of 11 | Attorney Docket Number | 65084.000012 | | | | | | | |
| | OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS | | | | | | | | | | |
| *Examiner | Cite | Include name of the author (in CAPITAL item (book, magazine, journal, serial, | LETTERS), title of the article (when | appropriate), title of the | TRANSL | ATION | | | | | |
| Initials | No. | | er, city and/or country where publish | | YES | NO | | | | | |
| /BP/ | 63. | Liu et al. (1999) Molecular and General Genetics 262: 413-420 | | | | | | | | | |
| 200000000 | 64. | Lorberth et al. (May 1998) "Inhib modified starch and repression of co | Lorberth et al. (May 1998) "Inhibition of a starch-granule-bound protein leads to modified starch and repression of cold sweetening." Nat Biotechnol. 16(5): 473-7. | | | | | | | | |
| 000000000000000000000000000000000000000 | 65. | Maes et al. (1999) Trends in Plant Science 4(3): 90-96 | | | | | | | | | |
| 000000000000000000000000000000000000000 | 66. | Manzocco et al. (2001) "Review of non-enzymatic browning and antioxidant capacity in processed foods," Trends in Food Science & Technology 11: 340-346 | | | | | | | | | |
| 200000000000000000000000000000000000000 | 67. | | Martin, et al. (2001) "Formation of Strecker Aldehydes and Pyrazines in a Fried Potato Model System," J. Agric. Food Chem. 49: 3885-3892 | | | | | | | | |
| 000000000000000000000000000000000000000 | 68. | Martins, et al. (2001) "A review kinetic modelling," Trends in Food | | | | | | | | | |
| 000000000000000000000000000000000000000 | 69 | McCallum et al. (2000) Plant Physi | ology 123: 439-442 | | | | | | | | |
| 200000000000000000000000000000000000000 | 70 | McKinney et al. (1995) The Plant J | ournal 8(4): 613-622 | | | | | | | | |
| 200000000000000000000000000000000000000 | 71 | Meksem et al. (2001) Molecular Ge | enetics and Genomics 265: | 207-214 | | | | | | | |
| 00,0000 | 72 | Mette et al. (2000) EMBO J. 19: 51 | 94-5201 | | | | | | | | |
| V | 73 | Meyer et al. (1998) Molecular and | Meyer et al. (1998) Molecular and General Genetics 259: 150-160 | | | | | | | | |
| EXAM | EXAMINER SIGNATURE DATE CONSIDERED | | | | | | | | | | |
| *EXAN | AINE | R: Initial if reference considered, whether out in conformance and not considered. Include | or not citation is in conformar | nce with MPEP 609. Draw ommunication to applicant. | line thi | rough | | | | | |

| Substitut | bstitute for form 1449A/PTO | | | lication Number 10/534,392 | | | | |
|--|------------------------------------|---|--|--|---|---------|-------|--|
| | ~ F | MATION DICCLOSUDE | Filing Da | ate | May 9, 2005 | | | |
| | | RMATION DISCLOSURE EMENT BY APPLICANT | First Na | med Inventor | SOYKA, Stephan et al. | | | |
| 31/ | | e as many sheets as necessary) | Art Unit | | 1761 | | | |
| | • | • | Examin | er Name | To Be Assigned | | | |
| Sheet | | 8 of 11 | Attorney | y Docket Number | 65084.000012 | | | |
| | | OTHER DOCUMENTS - NON | J-PATFN | NT LITERATURE | DOCUMENTS | | | |
| | | OTTLER DOGGINERATO NOT | <u> </u> | VI EIIEIG II OIL | | TRANSL | ATION | |
| Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue | | | | | appropriate), title of the ge(s), volume-issue | YES | NO | |
| Initials No. number(s), publisher, city and/or country where published | | | | | ed | YES | NO | |
| /BP/ | 74. | Mottram et al. (3 October 2002) "Acrylamide is formed in the Maillard reaction." Nature. 419(6906): 448-9 | | | | | | |
| 600000000000000000000000000000000000000 | 75. | Müller-Röber et al. (April 1992) "Inhibition of the ADP-glucose pyrophosphorylase in transgenic potatoes leads to sugar-storing tubers and influences tuber formation and expression of tuber storage protein genes." EMBO J. 11(4): 1229-38. | | | | | | |
| 000000000000000000000000000000000000000 | 76. | Nam et al. (1989) The Plant Cell 1: 699-705 | | | | | | |
| 200000000000000000000000000000000000000 | 77. | Odell et al. (1985) Nature 313: 810 |)-812 | | | | | |
| 000000000000000000000000000000000000000 | 78. | Palaqui and Vaucheret (1995) Plant | t. Mol. B | Biol. 29: 149-159 | | | | |
| 000000000000000000000000000000000000000 | 79. | Parinov and Sundaresan (2000) Cur | ırrent Opi | inion in Biotechnol | logy 11: 157-161 | | | |
| 222222222222222222222222222222222222222 | 80 | Qi et al. (2001) Nucleic Acids Rese | earch 29(| (22): e116 | | | | |
| 000000000000000000000000000000000000000 | 81 | Ramachandran and Sundaresan (2) | Ramachandran and Sundaresan (2001) Plant Physiology and Biochemistry 39: 234-252 | | | | | |
| V | 82 | Rao (1977) Cytologica 42: 443-450 | Rao (1977) Cytologica 42: 443-450 | | | | | |
| EXAM | EXAMINER SIGNATURE DATE CONSIDERED | | | | | | | |
| *EXAN | MINE | R: Initial if reference considered, whether out in conformance and not considered. Include | or not cita | ation is in conformand this form with next co | ce with MPEP 609. Draw ommunication to applicant. | line th | rough | |

| Substitut | e for | form 1449A/PTO | Application Number | 10/534,392 | | | | | |
|---|------------------------------------|--|---|--|-----------------------|-------|--|--|--|
| | ~ F | MATION DICCLOSUDE | Filing Date | May 9, 2005 | | | | | |
| | | RMATION DISCLOSURE EMENT BY APPLICANT | First Named Inventor | SOYKA, Stephan et al. | SOYKA, Stephan et al. | | | | |
| 31/ | | e as many sheets as necessary) | Art Unit | 1761 | | | | | |
| | • | • | Examiner Name | To Be Assigned | | | | | |
| Sheet | | 9 of 11 | Attorney Docket Number | 65084.000012 | | | | | |
| | | OTHER DOCUMENTS - NON | -PATENT LITERATURE | DOCUMENTS | | | | | |
| | | | | : | TRANSL | ATION | | | |
| *Examiner | Cite | Include name of the author (in CAPITAL item (book, magazine, journal, serial | , symposium, catalog, etc.), date, pa | ge(s), volume-issue | YES | Ю | | | |
| Initials | No. | | er, city and/or country where publish | | YES | NO | | | |
| /BP/ | 83. | Ritte et al. (2002 May 14) "The sta dikinase." Proc Natl Acad Sci U S A | dikinase." Proc Natl Acad Sci U S A. 99(10): 7166-71 | | | | | | |
| Speroceco | 84. | Ritte, et al. (2000) "Reversible bind of transitory starch granules", The I | Ritte, et al. (2000) "Reversible binding of the starch-related R1 protein to the surface of transitory starch granules", The Plant Journal 21: 387-391 | | | | | | |
| 200000000000000000000000000000000000000 | 85. | Rocha-Sosa et al. (1989) EMBO J. 8: 23-29 | | | | | | | |
| 200000000000000000000000000000000000000 | 86. | genetically and environmentally | Roessner <i>et al.</i> (November 2001) "High-resolution metabolic phenotyping of genetically and environmentally diverse potato tuber systems. Identification of phenocopies." Plant Physiol. 127(3): 749-64. | | | | | | |
| | 87. | Romagni, et al. (2000) "Measurin Extracts," J. Agric. Food Chem. 48 | | Activity in Crude Plant | | | | | |
| *************************************** | 88 | Schmidt and Willmitzer (1989) Mo | lecular and General Genet | ics 220: 17-24 | | | | | |
| 000000000000000000000000000000000000000 | 89 | Sharp et al. (2003 Feb 1) "Acrylam | ide in food" Lancet 361(9) | 355): 361-2 | | | | | |
| 520,000,000,000,000 | 90 | Singh et al. (2000) Biochemical So | ciety Transactions 28(6): 9 | 925-927 | | | | | |
| 300000000000000000000000000000000000000 | 91 | Smith et al. (2000) Nature 407: 319 | 9-320 | | | | | | |
| V | 92 | Smith-White et al. (1994) "Suggest Enzymes Involved in Starch Met S67-S71 | Smith-White et al. (1994) "Suggested Mnemonics for Cloned DNA Corresponding to Enzymes Involved in Starch Metabolism", Plant Molecular Biology Reporter 12: S67-S71 | | | | | | |
| EXAM | EXAMINER SIGNATURE DATE CONSIDERED | | | | | | | | |
| *EXAN | /INE | R: Initial if reference considered, whether of the conformance and not considered. Include | or not citation is in conformar de copy of this form with next o | nce with MPEP 609. Draw ommunication to applicant. | line th | rough | | | |

| Substitut | ubstitute for form 1449A/PTO | | | on Number | 10/534,392 | | | | | |
|---|---|--|--|--|---|----------|-------|--|--|--|
| | · ^ F | NAATION DIECE OSUBE | Filing Dat | te | May 9, 2005 | | | | | |
| | | RMATION DISCLOSURE EMENT BY APPLICANT | First Nam | ned Inventor | SOYKA, Stephan et al. | | | | | |
| 31 | | e as many sheets as necessary) | Art Unit | | 1761 | | | | | |
| | • | • | Examine | r Name | To Be Assigned | | | | | |
| Sheet | | 10 of 11 | Attorney | Docket Number | 65084.000012 | | | | | |
| | OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS | | | | | | | | | |
| | | | | | | TRANSLA | ATION | | | |
| *Examiner | Cite | Include name of the author (in CAPITAL item (book, magazine, journal, serial | il, symposium, | , catalog, etc.), date, pag | ge(s), volume-issue | YES | NO | | | |
| Initials No. | | | | r country where publishe | | YES | NO | | | |
| /BP/ | 93. | Stadler <i>et al.</i> (2002 Oct 3) "Acryl 419(6906): 449-50. | lamide fro | om Maillard reac | tion products." Nature | | | | | |
| B40000000 | 94. | Stark et al. (1992) Science 258: 28 | Stark et al. (1992) Science 258: 287-292 | | | | | | | |
| 000000000000000000000000000000000000000 | 95. | Stark et al. (1996) Annals of New York Academy of Sciences 792: 26-36 | | | | | | | | |
| 222222222222222222222222222222222222222 | 96. | Tareke et al. (2002 Aug 14) "Analy heated foodstuffs." J Agric Food Cl | Tareke <i>et al.</i> (2002 Aug 14) "Analysis of acrylamide, a carcinogen formed in heated foodstuffs." J Agric Food Chem. 50(17): 4998-5006. | | | | | | | |
| 000000000000000000000000000000000000000 | 97. | Thompson et al. (1987) The EMBC | O Journal 6 | 6: 2519-2523 | | | | | | |
| 000000000000000000000000000000000000000 | 98 | Thorneycroft et al. (2001) Journal of | of Experin | nental Botany 52: | 1593-1601 | | | | | |
| 200000000000000000000000000000000000000 | 99 | Tissier et al. (1999) The Plant Cell | 11: 1841- | -1852 | | | | | | |
| 000000000000000000000000000000000000000 | 10 | O. Tolmasky (1990) Sequencing and multiresistance transposon Tn1331 | d Express Plasmid 2 | sion of aadA, bl 24(3): 218-226 | a, and tnpR from the | | | | | |
| 000000000000000000000000000000000000000 | 10 | 1. Tolmasky and Crosa (1993) Ger (acc(6')-Ib, aadA, and oxa9) in t 29(1): 31-40 | netic orga the multir | anization of anti resistance transpo | biotic resistance genes son Tn 1331. Plasmid | | | | | |
| V | 10 | 2. Vaucheret et al. (1995) Mol. Gen. (| Genet. 248 | 8: 311-317 | | | | | | |
| EXAM | EXAMINER SIGNATURE DATE CONSIDERED | | | | | | | | | |
| *EXA | MINE | R: Initial if reference considered, whether out in conformance and not considered. Include | or not citati | tion is in conforman this form with next co | ce with MPEP 609. Draw ommunication to applicant. | line thi | rough | | | |

| Substitut | e for f | orm 1449A/PTO | Application Number | 10/534,392 | | | | | | |
|----------------|--|--|---|--|----------|------|--|--|--|--|
| = | ~ ~ | MATION DIGGLOCUEE | Filing Date | May 9, 2005 | | | | | | |
| | | MATION DISCLOSURE | First Named Inventor | SOYKA, Stephan et al. 1761 To Be Assigned | | | | | | |
| 51/ | | EMENT BY APPLICANT e as many sheets as necessary) | Art Unit | | | | | | | |
| | • | • | Examiner Name | | | | | | | |
| Sheet 11 of 11 | | | Attorney Docket Number | 65084.000012 | | | | | | |
| | OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS | | | | | | | | | |
| | I I | | | | | | | | | |
| *Examiner | Cite | Include name of the author (in CAPITAL item (book, magazine, journal, serial | LETTERS), title of the article (when symposium, catalog, etc.), date, pa | appropriate), title of the ge(s), volume-issue | YES | NO | | | | |
| Initials | No. | number(s), publish | ed | YES | NO | | | | | |
| /BP/ | 103. | Wang and Waterhouse (2000) Plant | Wang and Waterhouse (2000) Plant Mol. Biol. 43: 67-82 | | | | | | | |
| 2000000 | 104. | Waterhouse et al. (10 November 19 | 98) PNAS USA 95(23): 13 | 3959-13964 | | | | | | |
| | 105. | Young et al. (2001) Plant Physiolog | gy 125: 513-518 | | | | | | | |
| V | 106. | Zrenner et al. (1996) ratio in cold-s | Zrenner et al. (1996) ratio in cold-stored potato tubers." Planta 198(2): 246-52. | | | | | | | |
| EXAMI | EXAMINER SIGNATURE /Brent Page/ DATE CONSIDERED 08/02/2009 | | | | | | | | | |
| *EXAM | INER | : Initial if reference considered, whether of | or not citation is in conforman | ce with MPEP 609. Draw | line thr | ough | | | | |